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Marolda et al.

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(54) **UNDERWATER MATEABLE ELECTRICAL CONNECTOR WITH ANTI-HYDROLOCK FEATURE**

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439/277, 936

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9 Claims, 4 Drawing Sheets

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(57) **ABSTRACT**

An electrical connector includes a plug section having a body, and a receptacle section which is connected to the plug section. A collapsible seal is disposed within a circumferential groove formed in the plug section. The receptacle section has a cylindrical housing with a clamping ring for securely engaging and connecting the receptacle section to the plug section. Upon connecting the receptacle section to the plug section any hydrostatic forces present in the chamber between the receptacle section and the plug section causes the collapsible seal to collapse within the groove thereby providing a volume defined by the groove which receives fluid therein for preventing hydrostatic lock.

